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OM protein - protein search, using sw model

Run on: March 14, 2003, 09:24:14 ; Search time 9.29245 Seconds
(without alignments)
1247.532 Million cell updates/sec

Title: US-09-836-077-4

Perfect score: 2120
Sequence: 1 MTRPPPGRAAPSAPRRARVLS.....TFQVADSHPEVAQRVEPMGP 394

Scoring table: BLOSUM62
Gap 10.0 , Gape 0.5

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Issued_Patents_AA: *
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep: *
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep: *
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep: *
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep: *
5: /cgn2_6/ptodata/2/1aa/PTCUS.COMB.pep: *
6: /cgn2_6/ptodata/2/1aa/backfilest1.pep: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1897	89.5	666	4	US-09-240-410-2
2	1755	82.8	634	4	US-09-041-236-2
3	948.5	44.7	215	4	US-09-240-410-4
4	902	42.5	606	4	US-09-041-236-4
5	363	17.1	771	1	US-08-121-713D-54
6	363	17.1	771	1	US-08-835-268-54
7	363	17.1	771	2	US-09-060-692-54
8	363	17.1	771	3	US-08-833-391-54
9	363	17.1	771	4	US-09-060-610-54
10	363	17.1	771	5	PCT-US94-10151A-54
11	346	16.3	660	4	US-09-181-706-8
12	346	16.3	660	4	US-09-458-791-8
13	346	16.3	660	4	US-09-459-066-8
14	342.5	16.2	775	4	US-09-308-1798-1
15	341.5	16.1	441	1	US-08-121-713D-56
16	341.5	16.1	441	1	US-08-835-268-56
17	341.5	16.1	441	1	US-09-060-692-56
18	341.5	16.1	441	2	US-08-833-391-56
19	341.5	16.1	441	3	US-09-060-610-56
20	309	14.6	730	1	PCT-US94-10151A-56
21	309	14.6	730	1	US-08-121-713D-58
22	309	14.6	730	1	US-08-835-268-58
23	309	14.6	730	2	US-09-060-692-58
24	309	14.6	730	3	US-08-833-391-58
25	309	14.6	730	4	US-09-060-610-58
26	309	14.6	730	5	PCT-US94-10151A-58
27	297.5	14.0	712	1	US-08-121-713D-64

28	297.5	14.0	712	1	US-08-835-268-64	Sequence 64, Appl
29	297.5	14.0	712	2	US-09-060-692-64	Sequence 64, Appl
30	297.5	14.0	712	3	US-08-833-391-64	Sequence 64, Appl
31	297.5	14.0	712	4	US-09-060-610-64	Sequence 64, Appl
32	297.5	14.0	712	5	PCT-US94-10151A-64	Sequence 64, Appl
33	278.5	13.1	477	1	US-08-136-922-2	Sequence 62, Appl
34	264	12.5	724	1	US-08-835-268-62	Sequence 62, Appl
35	264	12.5	724	1	US-08-833-391-62	Sequence 62, Appl
36	264	12.5	724	2	US-09-060-692-62	Sequence 62, Appl
37	264	12.5	724	3	US-08-833-391-62	Sequence 62, Appl
38	264	12.5	724	4	US-09-060-610-62	Sequence 62, Appl
39	264	12.5	724	5	PCT-US94-10151A-62	Sequence 62, Appl
40	260	12.3	650	1	US-08-121-713D-60	Sequence 60, Appl
41	260	12.3	650	1	US-08-835-268-60	Sequence 60, Appl
42	260	12.3	650	2	US-09-060-692-60	Sequence 60, Appl
43	260	12.3	650	3	US-08-833-391-60	Sequence 60, Appl
44	260	12.3	650	4	US-09-060-610-60	Sequence 60, Appl
45	260	12.3	650	5	PCT-US94-10151A-60	Sequence 60, Appl

ALIGNMENTS

RESULT 1
US-09-240-410-2
; Sequence 2, Application US/09240410
; Patent No. 6197544
; GENERAL INFORMATION:
; APPLICANT: MICHALOVICH, DAVID
; APPLICANT: HAYES, PHILIP DAVID
; TITLE OF INVENTION: NOVEL COMPOUNDS
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESS: Ralner & Prestia
; STREET: P.O. Box 980
; CITY: Valley Forge
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/240,410
; FILING DATE: 27-JAN-1999
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: UK APPLICATION NO. TO BE ASSIGNED
; FILING DATE: 20-JAN-1999
; APPLICATION NUMBER: EP APPLICATION NO. 98300694.1
; FILING DATE: 30-JAN-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Prestia, Paul F
; REGISTRATION NUMBER: 23, 031
; REFERENCE/DOCKET NUMBER: GP-30039
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0700
; TELEX: 846169
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 666 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-240-410-2
Query Match 89.5%; Score 1897; DB 4; Length 666;
Best Local Similarity 90.2%; Pred. No. 9.7e-192;
Matches 358; Conservative 8; Mismatches 27; Indels 4; Gaps 2;

QY 1 MTPPPGAAASABARAVLSLPARFGLPLRLLLLVFWAAASAGHSRSGPRISAVWK 59
1 MTPPPGAAASABARAVLPBPARGPLRLRLLLMAAASAGHLRSGPRIFAVWKG 60
Db 60 --GDDHVFDSQPEPHVTLFHEPGSESVWVGKGVYHNFPEGKNASRYTVNIGSTKSC 117
61 HVGDDRVDGFGTEPHVTLFHEPGSSSVWVGKGVYLFDPGKKNASRYTVNIGSTKSC 120
QY 118 QDKODCGNYITLLERRGGLVCGTNARKPSCMNLVNDVSMVSGEMGYAPFSPDENSL 177
121 LDKKDCENYITLLERRSGGLLACGTNAHPSCMNLVNTYV-PLGEMGYAPFSPDENSL 179
Db 178 VLEFGDEVYSTIRKQENYNGKIPRRFRIRGESELYTSDTVMONPOFIKATIVHODQAYDK 237
180 VLEFGDEVYSTIRKQENYNGKIPRRFRIRGESELYTSDTVMONPOFIKATIVHODQAYDK 239
QY 238 IYFFREDNPKNEAPLNVSRVAQLCRDGGESSLSVSKWNTFLKMLVCSAATNRN 297
240 IYFFREDNPKNEAPLNVSRVAQLCRDGGESSLSVSKWNTFLKMLVCSAATNRN 299
QY 298 FNRLQDVFLLPDPGQMRDTRFVGVFSNPNMYSACVYSLGDIDRVFRTSSLKGYHMGSL 357
300 FNRLQDVFLLPDPGQMRDTRFVGVFSNPNMYSACVYSLGDIDRVFRTSSLKGYHMGSL 359
Db 358 NRPFGMCLPKKQIPITETFOVADSHPEVAQRYEPMGP 394
360 NRPFGMCLPKKQIPITETFOVADSHPEVAQRYEPMGP 396

RESULT 2
US-09-041-236-2
; Sequence 2, Application US/09041236
; Patent No. 6225285
; GENERAL INFORMATION:
; APPLICANT: LUC, YULING
; APPLICANT: XIMEI, XU
; TITLE OF INVENTION: Semaphorin K1
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 75 DENISE DRIVE
; CITY: HILLSBOROUGH
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94010
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/041,236
; FILING DATE: March 11, 1998
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: EXEL98-001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 343-4341
; TELEFAX: (650) 343-4342
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 634 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-041-236-2

Query Match 82.8%; Score 1755; DB 4; Length 634;
Best Local Similarity 90.4%; Pred. No.9.5e-177;
Matches 330; Conservative 8; Mismatches 23; Indels 4; Gaps 2;

QY 33 LLLVFWAAASAGHSRSGPRISAVWK--GDDHVFDSQPEPHVTLFHEPGSESVWVGGR 89
1 LLLVFWAAASAGHSRSGPRIFAVWKGVGDDRVDGFGTEPHVTLFHEPGSSSVWVGGR 60
Db 90 GKVYHNFPEGKNASRYTVNIGSTKSCQDKODCGNYITLLERRGGLVCGTNARKPSC 149
61 GKVYHNFPEGKNASRYTVNIGSTKSCQDKODCGNYITLLERRGGLVCGTNARKPSC 120
QY 150 WNLVNDVSMVSGEMGYAPFSPDENSLVLEFGDEVYSTIRKQENYNGKIPRRFRIRGESE 209
121 WNLVNGTVV-PLGEMGYAPFSPDENSLVLEFGDEVYSTIRKQENYNGKIPRRFRIRGESE 179
Db 210 LYTSDTVMONPOFIKATIVHODQAYDKIYFFREDNPKNEAPLNVSRVAQLCRDGG 269
180 LYTSDTVMONPOFIKATIVHODQAYDKIYFFREDNPKNEAPLNVSRVAQLCRDGG 239
QY 270 GESSLSVSKWNTFLKMLVCSAATNRNFNLQDVFLLPDPGQMRDTRFVGVFSNPNY 329
240 GESSLSVSKWNTFLKMLVCSAATNRNFNLQDVFLLPDPGQMRDTRFVGVFSNPNY 299
QY 330 SAVCVYSLGDIDRVFRTSSLKGYHMGSLNRPFGMCLPKKQIPITETFOVADSHPEVAQRY 389
300 SAVCVYSLGDIDRVFRTSSLKGYHMGSLNRPFGMCLPKKQIPITETFOVADSHPEVAQRY 359
Db 390 EPMGP 394
360 EPMGP 364

RESULT 3
US-09-240-410-4
; Sequence 4, Application US/09240410
; Patent No. 6197544
; GENERAL INFORMATION:
; APPLICANT: MICHALOVICH, DAVID
; APPLICANT: HAYES, PHILIP DAVID
; TITLE OF INVENTION: NOVEL COMPOUNDS
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ratner & Prestlia
; STREET: P.O. Box 980
; CITY: Valley Forge
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/240,410
; FILING DATE: 27-JAN-1999
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: UK APPLICATION NO. TO BE ASSIGNED
; FILING DATE: 20-JAN-1999
; APPLICATION NUMBER: EP APPLICATION NO. 98300694.1
; FILING DATE: 30-JAN-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Prestlia, Paul F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GP-30039
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0700
; TELEX: 846169
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 215 amino acids
; TYPE: amino acid
; STRANDEDNESS: single

TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-240-410-4

Query Match 44.7%; Score 948.5; DB 4; Length 215;
Best Local Similarity 85.2%; Pred. No. 3.5e-92;
Matches 184; Conservative 6; Mismatches 22; Indels 3; Gaps 3;

QY 60 GODHDFEQPHRYTLFHPGSEFVWVGGRGVYHFNPECKNNAVRYVNIISTGSGCD 119
DB 1 GDDRDFEQTEPHRYTLFHPGSEFVWVGGRGVYHFNPECKNNAVRYVNIISTGSGCD 60
QY 120 KODCNYTTLERBNGGLVCTNARKPSQWLVNDVSVMSGEMKGYAPFSPDEN-SLV 178
DB 61 KRCDCNYTTLERBNGGLVCTNARKPSQWLVNDVSVMSGEMKGYAPFSPDEN-SLV 119
QY 179 LFESEVYSTIRK-OEYNGKIPRRIRIGSESELYTSDFVMPNQPIKATIVHQDAVDK 237
DB 120 CFESEVYSTIRKARNYMWEDFRFRIRIGSESELYTSDFVMPNQPIKATIVHQDAVDK 179
QY 238 IYFFREDNPKNPEAPLVNSRVQALCRGDGGESE 273
DB 180 IYFFREDNPKNPEAPLVNSRVQALCRGDGGESE 215

RESULT 4

US-09-041-236-4
Sequence 4, Application US/09041236
Patent No. 6225285

GENERAL INFORMATION:

APPLICANT: Luo, Yuling
APPLICANT: Xiomel, Xu
TITLE OF INVENTION: Semaphorin K1
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: SCIENCE & TECHNOLOGY IAW GROUP
STREET: 75 DENISE DRIVE
CITY: HILLSBOROUGH
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 94010

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/041.236
FILING DATE: March 11, 1998
CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: EXEL98-001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 343-4341
TELEFAX: (650) 343-4342
INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:
LENGTH: 606 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-041-236-4

Query Match 42.5%; Score 902; DB 4; Length 606;
Best Local Similarity 48.9%; Pred. No. 1.5e-86;
Matches 179; Conservative 54; Mismatches 127; Indels 6; Gaps 4;

QY 27 LPLRLLLVFWVAASQGHRSRGRISAVWK---GODHVFQSEPHRYTLFHPGSEF 83
DB 4 LCVSIRLLML-SAITAASRFRIDKPRLLVNLDFGFG-QHFFGQEPHTVLFHSLNSD 61

QY 84 VWVGRGVYHFNPECKNNAVRYVNIISTGSGCDKODCNYTTLERBNGGLVCGN 143
DB 62 YVVGNNNTIYLFDFAHSSNASATLINTITHTHLSTCEFTITLLNODGLACGTN 121

QY 144 ARKPSQWLVNDVSVMSGEMKGYAPFSPDENSLVLFEGDEYVSTIRKOEYNGKIPRRR 203
DB 122 SQKPSQW-LINNLTLQPLGPKGLAPFSPSSGNLVLFPQNDYVSTIRKOEYNGKIPRRR 180

QY 204 IRGESELYTSDFVMPNQPIKATIVHQDAVDK IYFFREDNPKNPEAPLVNSRVQAL 263
DB 181 IAGVELYTSDFVMPNQPIKATIVHQDAVDK IYFFREDNPKNPEAPLVNSRVQAL 240

QY 264 CRGDGGESESLVSRKMFKAMLVCSDAATRNFRLODYLLPDSGQMRDFTVGYVF 323
DB 241 CSDGGESESLVSRKMFKAMLVCSDAATRNFRLODYLLPDSGQMRDFTVGYVF 300

QY 324 SNPMVSAVCYSLGDDIVFRTSLKGYHMLSPRPMCLPKKOPITETFOVADSH 383
DB 301 LSPMNSAVCVPTVMDIDHVFETSKLKNYHHLPPRPGQCKKHNQHVPTETFOVADSH 360

QY 384 EVAQRY 389
DB 361 EVAQRY 366

RESULT 5

US-08-121-713D-54
Sequence 54, Application US/08121713D
Patent No. 5639856

GENERAL INFORMATION:

APPLICANT: Goodman, Corey S.
APPLICANT: Kolodkin, Alex L.
APPLICANT: Matthes, David
APPLICANT: Bentley, David R.
APPLICANT: O'Connor, Timothy
TITLE OF INVENTION: The Semaphorin Gene Family
NUMBER OF SEQUENCES: 100
CORRESPONDENCE ADDRESS:
ADDRESSEE: SCIENCE & TECHNOLOGY IAW GROUP
STREET: 268 Bush Street, Suite 3200
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/121.713D
FILING DATE: 13-SEP-1993
CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:
NAME: Osman, Richard A.
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: B94-002-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 343-4341
TELEFAX: (415) 343-4342
INFORMATION FOR SEQ ID NO: 54:

SEQUENCE CHARACTERISTICS:
LENGTH: 771 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-121-713D-54

Query Match 17.1%; Score 363; DB 1; Length 771;
Best Local Similarity 28.0%; Pred. No. 2.4e-29;
Matches 119; Conservative 66; Mismatches 162; Indels 78; Gaps 19;

QY 27 LPLRLLLVFWVAASQGHRSRGRISAVWK---GODHVFQSEPHRYTLFHPGSEF 83
DB 4 LCVSIRLLML-SAITAASRFRIDKPRLLVNLDFGFG-QHFFGQEPHTVLFHSLNSD 61

[illegible]

Db 353 LGPAHARDGPNYQWVYQGRVPEPRGTC-PSKTEGEGDSTKDLDPDVTTFARSHPMY 411
Qy 388 RYEPM 392
Db 412 PVFPM 416

RESULT 11
US-09-181-706-8
; Sequence 8, Application US/09181706
; Patent No. 6130068

GENERAL INFORMATION:
; APPLICANT: Melanie K. Spriggs, Michael R. Comeau,
; APPLICANT: Robert F. Dubose, Richard S. Johnson
; TITLE OF INVENTION: VIRAL ENCODED SEMAPHORIN PROTEIN
; TITLE OF INVENTION: RECEPTOR DNA AND POLYPEPTIDES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Janis C. Henry
; STREET: 51 University St.
; CITY: Seattle
; STATE: WA
; COUNTRY: US

ZIP: 98101
COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/181,706
; FILING DATE: October 28, 1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/958,598 (converted to a
; APPLICATION NUMBER: Provisional, see below)
; FILING DATE: October 28, 1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: --to be assigned-- (USSN 08/958,598
; APPLICATION NUMBER: conversion to Provisional application)
; FILING DATE: October 26, 1998
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Henry, Janis C
; REGISTRATION NUMBER: 34,347
; REFERENCE/DOCKET NUMBER: 2631-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)470-4189
; TELEFAX: (206)233-0644
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 660 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-181-706-8

Query Match 16.3%; Score 346; DB 4; Length 660;
Best Local Similarity 30.9%; Pred. No. 1.2e-27;
Matches 97; Conservative 49; Mismatches 128; Indels 40; Gaps 13;

Qy 84 VAVGGRGKYYHNFPEGRKASRYTVNIGSTKSCQDKOCQGVITTLERNGLLVCGTN 143
Db 297 LVTGVNGAVYTTSSNNELNKTGLTNNN-----NYIT-TSIRKVEDTLVCGTN 340
Qy 144 ARKPSQWNLVNSVYVSLGEMGYAFSPDENS--LVLEFGDEVYSTIRKOEYNGKIPPF 201
Db 341 NQNPCKWKIDGSEDEPKYRG--RGYAPY---QNSKVTIISHNCCVLSIDINISKEG--IKRW 393
Qy 202 RIRIGES--ELVTSPTVMONPOFIKATYIHODQAVDDKIYFFREDNPKNPAPLNVSR 259
Db 394 RRFDPGCGDYLTADVNIIPK-DGVKGAFAVDKGTY-DKYYILFTDTIDTKR--IVKIPY 448

Qy 260 VAOICRGDGGESSLSVSKWNTFLKAMLYCS-DAATNRNFNRLODVFLPDPSGQMRDR 318
Db 449 IAOICLNDEGGSPSSSHRWSTFLKVELCDIDGKSYROI--IHSNAITD-----NDTI 501
Qy 319 VYGVESNPWNYASVYSLGDIIDRVFRITSLKGYHMGLSNPRGKMLPKKOPIPETFPQV 378
Db 502 LVYVFDSPPYSKSLCTYSNNNAIKHSFSTSKLGYYTQLPSAPGICLPAGKVPYHTTFDI 561
Qy 379 ADSHPEVAQRVPEM 392
Db 562 IEQYNELDIDIKPL 575

RESULT 12
US-09-458-791-8
; Sequence 8, Application US/09458791
; Patent No. 6174689

GENERAL INFORMATION:
; APPLICANT: Spriggs, Melanie
; TITLE OF INVENTION: RECEPTOR DNA AND POLYPEPTIDES
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Janis C. Henry
; STREET: 51 University St.
; CITY: Seattle
; STATE: WA
; COUNTRY: US
; ZIP: 98101
COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: MS-DOS/Windows 95
; SOFTWARE: Word for Windows 95, 7.0a
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/458,791
; FILING DATE: 10-Dec-1999
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/958,598
; FILING DATE: 28-OCT-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Henry, Janis C
; REGISTRATION NUMBER: 34,347
; REFERENCE/DOCKET NUMBER: 2631
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206)470-4189
; TELEFAX: (206)233-0644
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 661 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-09-458-791-8

Query Match 16.3%; Score 346; DB 4; Length 660;
Best Local Similarity 30.9%; Pred. No. 1.2e-27;
Matches 97; Conservative 49; Mismatches 128; Indels 40; Gaps 13;

Qy 84 VAVGGRGKYYHNFPEGRKASRYTVNIGSTKSCQDKOCQGVITTLERNGLLVCGTN 143
Db 297 LVTGVNGAVYTTSSNNELNKTGLTNNN-----NYIT-TSIRKVEDTLVCGTN 340
Qy 144 ARKPSQWNLVNSVYVSLGEMGYAFSPDENS--LVLEFGDEVYSTIRKOEYNGKIPPF 201
Db 341 NQNPCKWKIDGSEDEPKYRG--RGYAPY---QNSKVTIISHNCCVLSIDINISKEG--IKRW 393
Qy 202 RIRIGES--ELVTSPTVMONPOFIKATYIHODQAVDDKIYFFREDNPKNPAPLNVSR 259
Db 394 RRFDPGCGDYLTADVNIIPK-DGVKGAFAVDKGTY-DKYYILFTDTIDTKR--IVKIPY 448

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